

## KANSAS AGRICULTURAL STATISTICS SERVICE PROCEDURES AND STAFF

Information is collected in many ways: mail surveys, telephone contacts, personal interviews, and in-the-field observations.

Most estimates are based on probability sample surveys. That is, information collected from a scientifically selected sample of all producers is used to estimate the activities of the entire group. Sampling is not only less costly in time and money than a complete count, but can be more accurate because reporting errors and data-handling errors are minimal compared to those in a complete count or census.

Program content is planned to provide a comparable series of data over time--for example, Kansas wheat and corn production estimates date back to 1866--but also to meet current needs to the extent permitted by available resources. Data user meetings and close contact with farm and industry groups are utilized to maintain the relevance of the data provided.

Kansas Agricultural Statistics Service staff includes highly trained agricultural statisticians with farm backgrounds and extensive experience in Kansas and other states, a support staff of statistical assistants, computer personnel, and printing-mailing specialists. Eddie Wells is the Deputy State Statistician. Lead Statistician for Estimates is David Ranek. Estimate Statisticians include Quentin Wearne, Dan Kolterman, Steve Maliszewski, and Travis Thorsen. The Lead Statistician for Surveys is Joel Golz. Survey Statisticians include Sherri Hand, Amy Knapp, Dianna Worm and Brandi Mulroney, assisted by Research Analyst Dona Ratliff. Candace S. Thomas provides research and editorial assistance while Judy Allison is our designer and Desktop Publisher. In addition, a field and telephone staff of part-time enumerators, working under the direction of field supervisors, collect data by personal and telephone interview. The office staff and crew of enumerators join me in thanking the many farmers and agri-business firms who provide the data and assist in planning our program of statistics.

Eldon J. Thiessen  
Director

### TABLE OF CONTENTS

|                                    |           |
|------------------------------------|-----------|
| 2003 Agricultural Highlights ..... | ii - iii  |
| General Statistics .....           | 2 - 9     |
| Crop Statistics .....              | 10 - 73   |
| Livestock Statistics .....         | 74 - 91   |
| Economic Statistics .....          | 92 - 95   |
| Historic Statistics .....          | 96 - 102  |
| Index .....                        | 103 - 105 |



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## 2003 AGRICULTURAL HIGHLIGHTS

Year 2003 was good to Kansas cattle and hog producers. Cattle prices for the last seven months of the year set record highs, while the January 1 inventory was up 5 percent from the previous year. December 1 hog inventory was at the highest level since 1983 and in April prices started an upward swing over year-ago levels. Kansas wheat farmers produced their third largest crop, while corn, sorghum, and soybean production was below recent years. Farmland values remained virtually unchanged from last year.

Cattle prices in 2003 increased over prices in 2002 for every month, ranging from an increase of \$2.70 in March to \$30.30 in October. During the months of July through December, cattle prices set new record highs, surpassing the previous records set back in the early 1990's. Hog prices rose above year-ago levels in April and remained that way for the rest of the year. Prices for hogs ranged from an increase of \$2.40 in April to \$12.60 in September. For the first five months of the year, wheat prices were above the previous year; however, in June they made a downward swing and stayed below year-ago levels for the remainder of 2003. Soybean prices for year 2003 were above last year's level for all months. Prices for corn and sorghum were above year-ago levels from January through June while corn prices were also above year-ago levels for July and December. Monthly prices for all hay during 2003 were down for all months except April.

Seeding of wheat acres began the first week of September and progressed ahead of normal through completion. Fifty percent was seeded and 18 percent was emerged by the end of September, ahead of the 5-year averages of 36 percent and 14 percent, respectively. Widespread showers through most of October helped improve soil moisture for the seeding of wheat. Wheat seeding was 96 percent complete and emergence was at 87 percent by the first of November. Wheat condition was just above 50 percent good to excellent all fall, and by the first of December was up to 59 percent good to excellent. Ninety-eight percent of the crop was emerged by the first of December. Wheat condition declined over the winter due to dry conditions. On March 2, 26 percent of the crop was rated in poor to very poor condition. On April 27th, 16 percent of the crop was judged to be in poor to very poor condition, compared to 40 percent last year. Widespread showers the last two weeks of April helped improve conditions. Subsoil remained short to very short in most of the Western, North Central, and Central parts of the State despite the rains. Crop progress was near normal during spring with 86 percent jointed on April 27th, compared with 66 percent last year and the 5-year average of 80 percent. Statewide, subsoil conditions were rated 51 percent short to very short, compared to 69 percent last year. As of June 1, wheat heading was virtually complete and 37 percent of the crop had begun to turn color. This was ahead of the 36 percent in 2002 but behind the five-year average of 42 percent. Temperatures were moderate during May and the State received wide-spread showers throughout the month. Widely scattered showers and cool temperatures the first two weeks of June helped wheat heads fill. Cloudy skies and scattered showers the third week slowed wheat harvest but favorable conditions the last week of the month allowed harvest to reach 58 percent by June 29th. Hot, dry weather the first two weeks of July accelerated the completion of the wheat harvest. Wheat harvest was 99 percent complete on July 13, compared to 100 percent the previous year and 98 percent for the five-year average. The 2003 crop averaged 11.7 percent protein, with a test weight of 60.7 pounds per bushel, and 11.5 percent moisture.

Corn planting conditions were generally favorable but dry. By mid-May, corn planting was 90 percent complete and by late-May, virtually complete. Rains during the planting period did not impede progress. Cool weather persisted in most areas through mid-June, which slowed growth but also conserved moisture. Corn crop development lagged behind normal in early July, but by August 1 was near the average. Hot temperatures with very little rainfall during July stressed the crop, lowering conditions dramatically the latter half of the month. By the first of September, crop progress was near normal, but continued hot, dry weather during August had further reduced crop prospects. Crop conditions by the end of August showed 47 percent of the crop rated as poor or very poor, with only 20 percent of the crop rated as good or excellent. Harvest of dryland corn began in late August, with irrigated corn slightly behind. The early stages of harvest (through mid-September) progressed ahead of normal, and as a whole, harvest progressed with very little weather-related delays. With conditions not quite as severe as the previous year, there were fewer abandoned acres than during 2002. Corn acres harvested for silage decreased from the previous year, falling to 280,000 acres.

Planting of sorghum lagged behind the 5-year average all spring. By June 27, planting was nearly complete and 96 percent of the crop had emerged. Sixty-eight percent of the crop was rated in good to excellent condition at that time. During July, hot, dry conditions dominated the weather, dropping sorghum ratings to 51 points in the good to excellent range. These hot, dry conditions persisted throughout August so that by the end of the month only 11 percent of the crop was rated as good to excellent. Harvest began in September but progressed behind the 5-year average pace for the entire fall. Producers had nearly completed harvest by the end of November.

In 2003, soybean plantings got a late start, compared to the five-year average, but caught up quickly. Farmers had 25 percent of the acreage planted by May 19, the same as 2002, but 14 points behind the five-year average. By June 16, 88 percent of the soybean crop was planted and 76 percent had emerged, compared to the five-year averages of 87 percent and 77 percent, respectively. At that time, 72 percent of the crop was rated good to excellent. Hot, dry

weather starting in July and continuing through most of August took its toll on the soybean crop. The condition of the crop fell to 8 percent good to excellent on August 25, the lowest point of the season. It rebounded slightly, ending the season at 20 percent good to excellent.

Seeding of the 2004 wheat crop began the second week of September and progressed ahead of normal through completion. Widespread showers, heavy in some areas, the second weeks of both September and October helped improve soil moisture for the seeding of wheat. Despite the rain, soil moisture conditions remained dry throughout the fall and as of November 30, 65 percent of the topsoil moisture was rated short to very short and 69 percent of the subsoil was rated short to very short. The early seeding of wheat also led to emergence progress being ahead of normal until mid-October. Progress until the end of November resumed a near-normal pace. Due to dry conditions, some fields in the northwest district still had not emerged by the first of December.

Wheat production in Kansas was 480.0 million bushels, 77 percent above 2002's crop of 270.6 million bushels. This is the third largest crop on record, preceded by 1997 with 501.4 million bushels and 1998 with 494.4 million bushels. The yield, at 48 bushels per acre, was up 15 bushels from last year but 1 bushel below the record set in 1998. The acreage harvested for grain, at 10.0 million acres, was up 22 percent from 2002. The preliminary marketing year average price, at \$3.15 per bushel, was down 26 cents from 2002 and generated a value of production of \$1.512 billion, 64 percent above the year earlier. Kansas continued to retain its first place status as the number one wheat state in the Nation.

Corn production was 300.0 million bushels, down 1 percent from 2002 and the smallest crop since 1993. The 2003 yield was estimated at 120 bushels per acre, 4 bushels above the previous year. Acreage harvested for grain, at 2.5 million, was down 4 percent from 2002. Corn harvested acreage was the lowest since 1996. This was the thirteenth year in a row that corn production exceeded sorghum production. Based on the preliminary 2003 marketing year average price, the value of production for the 2003 corn crop will be \$765.0 million, 2 percent above the 2002 value.

Sorghum grain production in Kansas was 130.5 million bushels, down 3 percent from 2002's crop of 135.0 million bushels and the smallest crop since 1983. The yield averaged 45 bushels per acre, unchanged from the previous year. Harvested acreage for grain, at 2.9 million acres, was 3 percent below 2002. Sorghum harvested acreage was the lowest since 1993. The preliminary 2003 marketing year average price indicated a value of production of \$310.6 million, 3 percent below 2002. In 2003, Kansas lost its title as the number one sorghum grain producing state to Texas.

Soybean production in Kansas was 57.0 million bushels, down 2 percent from the 2002's crop of 58.4 million bushels. Yield, at 23 bushels per acre, was unchanged from the year earlier. Acres harvested was 2.48 million acres, down 2 percent from 2002. Based on the preliminary marketing year average price, the value of production for the 2003 crop was \$433.5 million, 35 percent above 2002.

All hay production totaled 7.00 million tons, up 1 percent from 2002. Acres harvested, at 3.25 million acres, was unchanged from the previous year. The all hay preliminary marketing year average price was \$72.50 per ton, producing a farm value of \$469.2 million, down 21 percent from 2002. Grazing and stock water supplies were generally adequate across the State for 2003.

All cattle and calves on Kansas farms and ranches on January 1, 2004, totaled 6.65 million head, up 5 percent from January 1, 2003. The 5.6 million head of cattle marketed during 2003 was down 2 percent from the year earlier. Fed cattle marketings in 2003 were 5.5 million head, virtually unchanged from the previous year. Monthly beef cattle prices were above the 2002 prices all year. Cash receipts from the sale of cattle were \$5.62 billion, up 17 percent from 2002.

The December 1, 2003 hog inventory in Kansas was 1.65 million head, 8 percent above the previous year. This was the largest December 1 hog inventory since 1983. Total cash receipts from hogs were \$252.0 million, up 10 percent from 2002.

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All reports released by Kansas Agricultural Statistics Service are available on the World Wide Web. The Web home page address for Kansas Agricultural Statistics Service is:

**<http://www.nass.usda.gov/ks/>**

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KANSAS FARM FACTS

KANSAS' RANK IN U.S. AGRICULTURE, 2003

| Crop or Livestock Item                                   | Production<br>or<br>Number |       | Rank | Kansas<br>Number<br>as % of<br>U.S. Total |
|--|----------------------------|-------|------|---|
| Wheat Flour Milled .....                                 | 34,159,000                 | cwt.  | 1    | 8.7                                       |
| Wheat Flour Milling Capacity, Nov. 1, 2003 .....         | 136,640                    | cwt.  | 1    | 9.7                                       |
| All Wheat Produced .....                                 | 480,000,000                | bu.   | 1    | 20.5                                      |
| Sorghum Grain Produced .....                             | 130,500,000                | bu.   | 2    | 31.7                                      |
| Sorghum Silage Produced .....                            | 560,000                    | tons  | 2    | 15.8                                      |
| Cattle Slaughtered .....                                 | 7,356,700                  | head  | 2    | 20.4                                      |
| Cropland <u>1/</u> .....                                 | 29,542,022                 | acres | 2    | 6.8                                       |
| Prime Farmland <u>2/</u> .....                           | 23,232,100                 | acres | 2    | 7.0                                       |
| All Cattle and Calves on Farms, Jan. 1, 2004 .....       | 6,650,000                  | head  | 2    | 7.0                                       |
| Cattle and Calves on Grain Feed, Jan. 1, 2004 .....      | 2,480,000                  | head  | 2    | 18.0                                      |
| Red Meat Production by Com'l. Slaughter Plants .....     | 5,728,900,000              | lbs.  | 3    | 12.3                                      |
| Land in Farms .....                                      | 47,200,000                 | acres | 3    | 5.0                                       |
| Commercial Grain Storage Capacity, Dec. 1, 2003 ...      | 890,000,000                | bu.   | 3    | 10.5                                      |
| Sunflowers Produced .....                                | 205,000,000                | lbs.  | 3    | 7.7                                       |
| Cash Receipts from Farm Marketings, 2003 <u>3/</u> ..... | 9,046,096,000              | dol.  | 5    | 4.3                                       |
| All Hay Produced .....                                   | 7,000,000                  | tons  | 6    | 4.5                                       |
| Exports of Farm Products, FY 2003 .....                  | 2,969,600,000              | dol.  | 6    | 5.3                                       |
| Beef Cows That Have Calved, Jan. 1, 2004 .....           | 1,550,000                  | head  | 6    | 4.7                                       |
| All Other Hay (Excluding Alfalfa) Produced .....         | 3,600,000                  | tons  | 6    | 4.5                                       |
| Irrigated Acres <u>1/</u> .....                          | 2,678,277                  | acres | 6    | 4.8                                       |
| Alfalfa Hay Produced .....                               | 3,400,000                  | tons  | 8    | 4.5                                       |
| Hogs on Farms, Dec. 1, 2003 .....                        | 1,650,000                  | head  | 9    | 2.7                                       |
| Corn Grain Produced .....                                | 300,000,000                | bu.   | 10   | 3.0                                       |
| Oats Produced .....                                      | 4,550,000                  | bu.   | 10   | 3.1                                       |
| Soybeans Produced .....                                  | 57,040,000                 | bu.   | 11   | 2.4                                       |
| Corn Silage Produced .....                               | 3,080,000                  | tons  | 12   | 2.9                                       |
| Dry Edible Beans Produced .....                          | 231,000                    | cwt.  | 13   | 1.0                                       |
| Cotton Produced .....                                    | 89,500                     | bales | 16   | 0.5                                       |
| All Sheep and Lambs on Farms, Jan. 1, 2004 .....         | 100,000                    | head  | 17   | 1.6                                       |
| Potatoes Produced, Summer .....                          | 1,026,000                  | cwt.  | 19   | 0.2                                       |
| Barley Produced .....                                    | 456,000                    | bu.   | 23   | 0.2                                       |

1/ Total cropland and irrigated acres, 2002 U.S. Census of Agriculture.

2/ Prime farmland is the land best suited to producing food, feed, forage, fiber, and oilseed crops. 1997 National Resource Inventory issued by National Resources Conservation Service.

3/ Preliminary.

# KANSAS FARM FACTS

## KANSAS AGRICULTURAL EXPORTS

| Commodity  | 1999    | 2000    | 2001    | 2002    | 2003    |
|--|---------|---------|---------|---------|---------|
| Million Dollars                                      |         |         |         |         |         |
| Wheat & Products . . . . .                           | 816.0   | 744.4   | 618.4   | 699.2   | 756.2   |
| Feed Grains & Prod. . . . .                          | 522.6   | 512.2   | 472.4   | 522.0   | 401.9   |
| Live Animals & Meat<br>(Excluding Poultry) . . . . . | 748.7   | 957.8   | 881.6   | 748.5   | 842.3   |
| Hides & Skins . . . . .                              | 202.9   | 278.7   | 387.9   | 319.2   | 333.2   |
| Soybeans & Products . . . . .                        | 178.4   | 203.4   | 123.5   | 221.6   | 175.7   |
| Feeds & Fodders . . . . .                            | 298.5   | 307.3   | 338.8   | 343.1   | 287.6   |
| Animal Fats . . . . .                                | 104.5   | 80.4    | 62.9    | 79.3    | 101.2   |
| Seeds . . . . .                                      | 33.5    | 39.3    | 34.7    | 43.2    | 38.1    |
| Sunflower Seed & Oil . . . . .                       | 16.6    | 22.8    | 15.7    | 25.0    | 7.3     |
| Dairy Products . . . . .                             | 2.5     | 0.7     | 0.0     | 0.0     | 0.0     |
| Other . . . . .                                      | 14.2    | 15.1    | 17.3    | 16.8    | 26.1    |
| Total . . . . .                                      | 2,938.4 | 3,162.1 | 2,953.2 | 3,017.9 | 2,969.6 |

## LEADING STATES IN U.S. AGRICULTURAL EXPORTS SELECTED COMMODITIES, FISCAL YEAR 2003 1/

| Commodity Group       |         | United States | Leading 10 States by Value |    |    |    |    |    |    |    |    |    |
|-----------------------|---------|---------------|----------------------------|----|----|----|----|----|----|----|----|----|
|                       |         |               | 1                          | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
| Million Dollars       |         |               |                            |    |    |    |    |    |    |    |    |    |
| Total                 | 56186.4 | CA            | IA                         | TX | IL | NE | KS | MN | WA | ND | IN |    |
| Soybeans & Products   | 8287.5  | IA            | IL                         | MN | IN | NE | MO | OH | SD | AR | ND |    |
| Feed Grains & Prods.  | 6731.0  | IA            | IL                         | MN | NE | IN | KS | TX | WI | MO | SD |    |
| Live Animals & Meat   | 6483.0  | NE            | KS                         | TX | IA | CO | IL | MN | KY | CA | WI |    |
| Wheat & Products      | 5326.8  | KS            | ND                         | WA | MT | OK | TX | MN | ID | OH | CA |    |
| Vegetables & Prep.    | 4675.6  | CA            | WA                         | ID | WI | MN | OR | FL | MI | ND | AZ |    |
| Fruits & Prep.        | 3545.3  | CA            | FL                         | WA | OR | NY | MI | TX | HI | AZ | ME |    |
| Cotton & Linters      | 2726.7  | TX            | CA                         | MS | AR | GA | TN | NC | LA | AZ | MO |    |
| Poultry & Products    | 2105.4  | GA            | AR                         | NC | AL | MS | TX | IN | PA | VA | CA |    |
| Feeds & Fodders       | 1998.7  | KS            | TX                         | NM | KY | WI | NE | MO | ND | CO | CA |    |
| Hides & Skins         | 1790.3  | NE            | KS                         | TX | CO | WI | CA | UT | MN | PA | IL |    |
| Tree Nuts             | 1489.9  | CA            | GA                         | TX | OR | NM | HI | AZ | OK | LA | AL |    |
| Dairy Products        | 1033.6  | CA            | WI                         | MN | ID | NY | PA | WA | TX | IA | OH |    |
| Rice                  | 1021.2  | AR            | CA                         | LA | MS | TX | MO | na | na | na | na |    |
| Tobacco, Unmfd.       | 998.6   | NC            | KY                         | TN | VA | SC | GA | na | na | na | na |    |
| Seeds                 | 813.1   | CA            | AZ                         | OR | KS | FL | ND | IN | TX | MS | GA |    |
| Animal Fats           | 538.5   | NE            | KS                         | TX | CO | WI | IA | CA | IL | PA | MN |    |
| Peanuts & Products    | 187.7   | GA            | TX                         | AL | FL | NC | OK | VA | SC | MN | na |    |
| Sunflower Seed & Oil  | 117.0   | ND            | SD                         | KS | MN | CO | NE | TX | na | na | na |    |
| Cottonseed & Products | 102.9   | TX            | CA                         | MS | AR | GA | TN | NC | LA | AZ | MO |    |
| Other                 | 6213.9  | CA            | ND                         | IL | FL | PA | WA | TX | OR | OH | WI |    |

1/ Fiscal year is October 1 through September 30. na = Not Applicable Other = Misc. oilseeds, sugar and tropical products, nursery and greenhouse, essential oils, beverages other than juice, and misc. animal products.

**KANSAS FARM FACTS**

**STOCKS OF GRAIN BY QUARTERS, 2001-2003**

| Crop and Quarter             | 2001           |                 |              | 2002           |                 |              | 2003           |                 |              |
|------------------------------|----------------|-----------------|--------------|----------------|-----------------|--------------|----------------|-----------------|--------------|
|                              | On-Farm Stocks | Off-Farm Stocks | Total Stocks | On-Farm Stocks | Off-Farm Stocks | Total Stocks | On-Farm Stocks | Off-Farm Stocks | Total Stocks |
| <b>WHEAT</b>                 | 1,000 Bushels  |                 |              |                |                 |              |                |                 |              |
| September 1 (Prev. Yr.) . .  | 43,000         | 341,526         | 384,526      | 45,000         | 332,309         | 377,309      | 36,000         | 231,995         | 267,995      |
| December 1 (Prev. Yr.) . . . | 30,000         | 244,900         | 274,900      | 28,000         | 240,240         | 268,240      | 17,000         | 170,292         | 187,292      |
| March 1 . . . . .            | 21,000         | 196,771         | 217,771      | 19,000         | 184,216         | 203,216      | 13,000         | 116,811         | 129,811      |
| June 1 . . . . .             | 8,000          | 148,190         | 156,190      | 13,000         | 108,625         | 121,625      | 4,500          | 49,097          | 53,597       |
| <b>OATS</b>                  |                |                 |              |                |                 |              |                |                 |              |
| September 1 (Prev. Yr.) . .  | *              | 666             | *            | *              | 597             | *            | *              | 771             | *            |
| December 1 (Prev. Yr.) . . . | *              | 540             | *            | *              | 393             | *            | *              | 908             | *            |
| March 1 . . . . .            | *              | 444             | *            | *              | 697             | *            | *              | 730             | *            |
| June 1 . . . . .             | *              | 388             | *            | *              | 222             | *            | *              | 349             | *            |
| <b>BARLEY</b>                |                |                 |              |                |                 |              |                |                 |              |
| September 1 (Prev. Yr.) . .  | *              | 27              | *            | *              | 132             | *            | *              | 62              | *            |
| December 1 (Prev. Yr.) . . . | *              | 24              | *            | *              | 88              | *            | *              | 33              | *            |
| March 1 . . . . .            | *              | 18              | *            | *              | 48              | *            | *              | 59              | *            |
| June 1 . . . . .             | *              | 16              | *            | *              | 31              | *            | *              | 13              | *            |
| <b>CORN</b>                  |                |                 |              |                |                 |              |                |                 |              |
| December 1 (Prev. Yr.) . . . | 100,000        | 164,816         | 264,816      | 95,000         | 167,019         | 262,019      | 92,000         | 130,669         | 222,669      |
| March 1 . . . . .            | 60,000         | 128,310         | 188,310      | 54,000         | 130,020         | 184,020      | 52,000         | 103,549         | 155,549      |
| June 1 . . . . .             | 33,000         | 77,676          | 110,676      | 27,000         | 77,824          | 104,824      | 27,000         | 50,781          | 77,781       |
| September 1 . . . . .        | 11,000         | 37,703          | 48,703       | 15,500         | 36,784          | 52,284       | 16,000         | 25,525          | 41,525       |
| <b>SORGHUM GRAIN</b>         |                |                 |              |                |                 |              |                |                 |              |
| December 1 (Prev. Yr.) . . . | 35,000         | 93,852          | 128,852      | 38,000         | 139,780         | 177,780      | 30,000         | 86,423          | 116,423      |
| March 1 . . . . .            | 19,000         | 62,382          | 81,382       | 21,000         | 85,668          | 106,668      | 16,000         | 69,902          | 85,902       |
| June 1 . . . . .             | 8,000          | 27,140          | 35,140       | 9,000          | 41,136          | 50,136       | 6,000          | 34,137          | 40,137       |
| September 1 . . . . .        | 4,000          | 18,882          | 22,882       | 3,600          | 27,570          | 31,170       | 2,700          | 21,007          | 23,707       |
| <b>SOYBEANS</b>              |                |                 |              |                |                 |              |                |                 |              |
| December 1 (Prev. Yr.) . . . | 13,000         | 35,030          | 48,030       | 19,000         | 49,857          | 68,857       | 18,000         | 36,691          | 54,691       |
| March 1 . . . . .            | 9,000          | 26,219          | 35,219       | 11,000         | 30,449          | 41,449       | 11,000         | 23,014          | 34,014       |
| June 1 . . . . .             | 5,000          | 13,055          | 18,055       | 5,500          | 14,950          | 20,450       | 3,500          | 9,750           | 13,250       |
| September 1 . . . . .        | 1,600          | 5,809           | 7,409        | 1,100          | 4,024           | 5,124        | 1,200          | 2,515           | 3,715        |

\* Not published to avoid disclosure of individual operations.

**GRAIN STORAGE CAPACITY, DECEMBER 1**

| Date                          | 1997    | 1998    | 1999    | 2000    | 2001    | 2002    | 2003    |
|-------------------------------|---------|---------|---------|---------|---------|---------|---------|
| Number                        |         |         |         |         |         |         |         |
| Off-Farm Facilities . . . . . | 875     | 876     | 866     | 796     | 803     | 799     | 799     |
| 1,000 bushels                 |         |         |         |         |         |         |         |
| Off-Farm Capacity . . . . .   | 742,220 | 783,650 | 782,200 | 875,000 | 890,000 | 890,000 | 890,000 |
| On-Farm Capacity . . . . .    | 400,000 | 400,000 | 400,000 | 390,000 | 380,000 | 380,000 | 380,000 |

**KANSAS FARM FACTS**

**FLOUR AND MILL FEED PRODUCTION, 1994-2003**

| Year    | Number of Plants | Wheat Ground | Flour Produced |         | Mill Feed Produced |         |
|---------|------------------|--------------|----------------|---------|--------------------|---------|
|         |                  |              | Quantity       | Value   | Quantity           | Value   |
|         |                  | (000 Bu.)    | (000 Sacks)    | (\$000) | (Tons)             | (\$000) |
| 1994    | 18               | 93,955       | 42,698         | 445,340 | 781,373            | 59,931  |
| 1995    | 19               | 91,226       | 40,082         | 478,980 | 737,509            | 56,419  |
| 1996    | 19               | 83,538       | 37,600         | 484,288 | 665,520            | 79,330  |
| 1997    | 18               | 85,809       | 39,175         | 417,997 | 665,975            | 56,874  |
| 1998    | 18               | 88,831       | 40,278         | 379,016 | 700,837            | 45,765  |
| 1999    | 18               | 93,728       | 42,840         | 379,991 | 732,564            | 40,511  |
| 2000    | 18               | 94,632       | 42,047         | 383,048 | 735,823            | 40,029  |
| 2001    | 14               | 88,454       | 38,600         | 355,120 | 694,800            | 44,328  |
| 2002    | 14               | 77,908       | 34,691         | 362,521 | 607,093            | 36,972  |
| 2003 1/ | 14               | 80,378       | 35,175         | 364,072 | 622,615            | 41,030  |

1/ Preliminary.

**COMMERCIAL FEEDS, 1994-2003 1/**

| Year | Number of Feed Manufacturers Registered | Commercial Feeds Sold 2/ |         | Customer Formula Feeds | Total Commercial and Customer Formula Feeds |
|------|---|--------------------------|---------|------------------------|---|
|      |   | Quantity                 | Value   |                        |   |
|      |   | (000 Tons)               | (\$000) | (000 Tons)             | (000 Tons)                                  |
| 1994 | 1,073                                   | 2,787                    | 666,093 | 747                    | 3,534                                       |
| 1995 | 866                                     | 2,568                    | 577,800 | 871                    | 3,439                                       |
| 1996 | 837                                     | 2,296                    | 626,808 | 668                    | 2,964                                       |
| 1997 | 839                                     | 2,186                    | 629,568 | 748                    | 2,934                                       |
| 1998 | 826                                     | 2,452                    | 642,424 | 840                    | 3,292                                       |
| 1999 | 801                                     | 3,166                    | 725,014 | 956                    | 4,122                                       |
| 2000 | 806                                     | 3,399                    | 795,366 | 940                    | 4,339                                       |
| 2001 | 939                                     | 3,515                    | 878,750 | 1,026                  | 4,541                                       |
| 2002 | 915                                     | 2,413                    | 596,011 | 897                    | 3,310                                       |
| 2003 | 837                                     | 3,404                    | 878,232 | 860                    | 4,264                                       |

1/ Not an enumeration. Data based on voluntary reporting. 2/ Commercial feeds include manufactured formula feeds and feed ingredients.

**TOTAL FERTILIZER SOLD IN KANSAS, 1981-2003**

| Fiscal Year<br>(July 1-June 30) | Fall    | Spring  | Total     | Fiscal Year<br>(July 1-June 30) | Fall    | Spring    | Total     |
|---------------------------------|---------|---------|-----------|---------------------------------|---------|-----------|-----------|
| ----- Tons -----                |         |         |           | ----- Tons -----                |         |           |           |
| 1981-82                         | 763,359 | 695,387 | 1,458,746 | 1992-93                         | 723,562 | 993,413   | 1,716,975 |
| 1982-83                         | 704,022 | 626,855 | 1,330,877 | 1993-94                         | 810,070 | 971,672   | 1,781,742 |
| 1983-84                         | 746,625 | 764,603 | 1,511,228 | 1994-95                         | 855,609 | 884,917   | 1,740,526 |
| 1984-85                         | 718,226 | 861,170 | 1,579,396 | 1995-96                         | 872,754 | 834,271   | 1,707,025 |
| 1985-86                         | 503,903 | 826,763 | 1,330,666 | 1996-97                         | 806,668 | 1,077,624 | 1,884,292 |
| 1986-87                         | 515,024 | 756,136 | 1,271,160 | 1997-98                         | 839,092 | 1,306,590 | 2,145,682 |
| 1987-88                         | 659,920 | 752,097 | 1,412,017 | 1998-99                         | 781,925 | 1,248,245 | 2,030,170 |
| 1988-89                         | 732,078 | 658,801 | 1,390,879 | 1999-00                         | 943,318 | 1,308,287 | 2,251,605 |
| 1989-90                         | 706,926 | 777,490 | 1,484,416 | 2000-01                         | 840,011 | 1,871,773 | 2,711,784 |
| 1990-91                         | 802,036 | 732,266 | 1,534,302 | 2001-02                         | 922,744 | 1,135,244 | 2,057,988 |
| 1991-92                         | 675,658 | 893,338 | 1,568,996 | 2002-03                         | 856,956 | 1,141,311 | 1,998,267 |

**KANSAS FARM FACTS**

**FARM, CROP, AND LIVESTOCK INFORMATION, 2003**

| COUNTY<br>AND<br>DISTRICT  | NUMBER OF<br>FARMS | TOTAL LAND<br>IN FARMS,<br>ACRES | TOTAL<br>ACRES<br>HARVESTED<br>1/ | TOTAL VALUE<br>OF FIELD<br>CROPS, 2/<br>DOLLARS | TOTAL VALUE<br>OF CATTLE &<br>MILK<br>PRODUCED,<br>DOLLARS |
|----------------------------|--------------------|----------------------------------|-----------------------------------|---|--|
| Cheyenne .....             | 440                | 585,000                          | 206,400                           | 29,300,000                                      | 18,248,000   |
| Decatur .....              | 370                | 505,000                          | 202,160                           | 26,371,000                                      | 28,166,900   |
| Graham .....               | 430                | 520,000                          | 167,230                           | 20,363,100                                      | 10,365,100   |
| Norton .....               | 480                | 519,000                          | 207,050                           | 27,043,100                                      | 15,011,300   |
| Rawlins .....              | 420                | 651,000                          | 242,900                           | 32,182,000                                      | 13,239,500   |
| Sheridan .....             | 420                | 520,000                          | 247,060                           | 50,289,900                                      | 33,140,300   |
| Sherman .....              | 450                | 612,000                          | 302,500                           | 50,244,700                                      | 15,651,500   |
| Thomas .....               | 490                | 688,000                          | 362,700                           | 62,059,000                                      | 31,078,000   |
| <b>Northwest .....</b>     | <b>3,500</b>       | <b>4,600,000</b>                 | <b>1,938,000</b>                  | <b>297,852,800</b>                              | <b>164,900,600</b>   |
| Gove .....                 | 410                | 590,000                          | 198,870                           | 28,018,700                                      | 30,487,000   |
| Greeley .....              | 300                | 456,000                          | 260,000                           | 29,667,400                                      | 30,885,100   |
| Lane .....                 | 310                | 460,000                          | 166,540                           | 20,803,500                                      | 37,864,100   |
| Logan .....                | 330                | 605,000                          | 182,280                           | 21,401,900                                      | 21,473,800   |
| Ness .....                 | 550                | 655,000                          | 215,690                           | 27,783,300                                      | 13,062,400   |
| Scott .....                | 350                | 495,000                          | 255,590                           | 40,422,800                                      | 139,875,200  |
| Trego .....                | 430                | 454,000                          | 153,130                           | 19,370,900                                      | 12,064,700   |
| Wallace .....              | 290                | 415,000                          | 172,450                           | 33,933,300                                      | 6,076,900  |
| Wichita .....              | 330                | 470,000                          | 241,150                           | 37,435,400                                      | 96,191,900   |
| <b>West Central .....</b>  | <b>3,300</b>       | <b>4,600,000</b>                 | <b>1,845,700</b>                  | <b>258,837,200</b>                              | <b>387,981,100</b>   |
| Clark .....                | 290                | 491,000                          | 89,800                            | 13,158,800                                      | 35,725,100   |
| Finney .....               | 480                | 810,000                          | 399,090                           | 99,100,000                                      | 238,136,800  |
| Ford .....                 | 700                | 655,000                          | 332,520                           | 63,311,900                                      | 107,907,200  |
| Grant .....                | 300                | 305,000                          | 193,890                           | 43,081,400                                      | 122,821,500  |
| Gray .....                 | 460                | 505,000                          | 323,700                           | 78,940,400                                      | 118,333,800  |
| Hamilton .....             | 370                | 536,000                          | 192,930                           | 23,642,300                                      | 109,023,600  |
| Haskell .....              | 230                | 405,000                          | 243,100                           | 72,644,200                                      | 159,887,500  |
| Hodgeman .....             | 370                | 473,000                          | 159,200                           | 22,418,800                                      | 41,316,400   |
| Kearny .....               | 340                | 558,000                          | 219,120                           | 50,773,400                                      | 81,553,600   |
| Meade .....                | 450                | 610,000                          | 216,000                           | 56,210,600                                      | 31,053,800   |
| Morton .....               | 300                | 358,000                          | 160,550                           | 19,909,500                                      | 5,452,200  |
| Seward .....               | 330                | 363,000                          | 187,500                           | 43,653,300                                      | 100,653,300  |
| Stanton .....              | 300                | 440,000                          | 234,140                           | 42,999,900                                      | 49,396,300   |
| Stevens .....              | 380                | 491,000                          | 281,460                           | 72,534,600                                      | 30,435,900   |
| <b>Southwest .....</b>     | <b>5,300</b>       | <b>7,000,000</b>                 | <b>3,233,000</b>                  | <b>702,379,100</b>                              | <b>1,231,697,000</b>                                       |
| Clay .....                 | 580                | 395,000                          | 227,900                           | 36,741,200                                      | 13,082,400   |
| Cloud .....                | 540                | 432,000                          | 234,000                           | 40,190,700                                      | 9,003,500  |
| Jewell .....               | 590                | 503,000                          | 258,580                           | 44,115,200                                      | 16,290,800   |
| Mitchell .....             | 480                | 450,000                          | 290,500                           | 50,034,300                                      | 19,350,900   |
| Osborne .....              | 460                | 510,000                          | 200,720                           | 31,779,700                                      | 12,645,600   |
| Ottawa .....               | 520                | 415,000                          | 193,500                           | 31,572,100                                      | 17,343,400   |
| Phillips .....             | 530                | 590,000                          | 187,900                           | 25,157,300                                      | 19,907,800   |
| Republic .....             | 660                | 423,000                          | 273,800                           | 55,995,200                                      | 21,783,600   |
| Rooks .....                | 480                | 563,000                          | 178,070                           | 23,123,100                                      | 17,313,900   |
| Smith .....                | 560                | 519,000                          | 237,710                           | 34,452,700                                      | 18,429,600   |
| Washington .....           | 800                | 500,000                          | 282,820                           | 39,451,900                                      | 30,111,600   |
| <b>North Central .....</b> | <b>6,200</b>       | <b>5,300,000</b>                 | <b>2,565,500</b>                  | <b>412,613,400</b>                              | <b>195,263,100</b>   |
| Barton .....               | 780                | 643,000                          | 338,140                           | 62,934,500                                      | 52,246,400   |
| Dickinson .....            | 970                | 544,000                          | 304,280                           | 50,066,200                                      | 35,806,600   |
| Ellis .....                | 750                | 572,000                          | 159,690                           | 20,549,300                                      | 31,358,000   |
| Ellsworth .....            | 470                | 412,000                          | 158,660                           | 24,547,600                                      | 11,573,900   |
| Lincoln .....              | 470                | 441,000                          | 181,660                           | 29,763,900                                      | 14,827,500   |
| McPherson .....            | 1,180              | 567,000                          | 361,860                           | 64,008,400                                      | 27,961,800   |
| Marion .....               | 1,000              | 585,000                          | 313,910                           | 45,860,400                                      | 42,534,800   |
| Rice .....                 | 500                | 415,000                          | 284,000                           | 47,827,000                                      | 26,667,900   |
| Rush .....                 | 510                | 416,000                          | 192,170                           | 28,011,600                                      | 6,492,300  |
| Russell .....              | 610                | 475,000                          | 168,720                           | 23,671,000                                      | 11,586,000   |
| Saline .....               | 760                | 430,000                          | 228,560                           | 38,445,500                                      | 18,766,800   |
| <b>Central .....</b>       | <b>8,000</b>       | <b>5,500,000</b>                 | <b>2,691,650</b>                  | <b>435,685,400</b>                              | <b>279,822,000</b>   |



# KANSAS FARM FACTS

## FARM, CROP, AND LIVESTOCK INFORMATION, 2003

| COUNTY AND DISTRICT        | NUMBER OF FARMS | TOTAL LAND IN FARMS, ACRES | TOTAL ACRES HARVESTED<br>1/ | TOTAL VALUE OF FIELD CROPS, 2/<br>DOLLARS | TOTAL VALUE OF CATTLE & MILK PRODUCED,<br>DOLLARS |
|----------------------------|-----------------|----------------------------|-----------------------------|---|---|
| Barber .....               | 470             | 688,000                    | 169,110                     | 28,256,800                                | 25,534,700  |
| Comanche .....             | 270             | 445,000                    | 96,850                      | 15,303,100                                | 17,222,800  |
| Edwards .....              | 350             | 414,000                    | 228,200                     | 58,145,500                                | 28,489,200  |
| Harper .....               | 530             | 466,000                    | 288,930                     | 44,280,200                                | 28,432,400  |
| Harvey .....               | 820             | 345,000                    | 271,100                     | 45,814,100                                | 12,866,200  |
| Kingman .....              | 830             | 555,000                    | 274,630                     | 41,329,400                                | 16,686,500  |
| Kiowa .....                | 360             | 430,000                    | 150,230                     | 35,464,800                                | 13,251,900  |
| Pawnee .....               | 440             | 512,000                    | 251,640                     | 48,043,400                                | 44,784,900  |
| Pratt .....                | 560             | 494,000                    | 295,900                     | 74,690,300                                | 30,132,200  |
| Reno .....                 | 1,560           | 732,000                    | 412,240                     | 66,510,100                                | 42,510,800  |
| Sedgwick .....             | 1,400           | 528,000                    | 374,700                     | 56,002,449                                | 18,209,400  |
| Stafford .....             | 520             | 467,000                    | 276,120                     | 61,679,200                                | 32,244,800  |
| Sumner .....               | 1,090           | 724,000                    | 556,450                     | 73,450,700                                | 17,503,300  |
| <b>South Central .....</b> | <b>9,200</b>    | <b>6,800,000</b>           | <b>3,646,100</b>            | <b>648,970,049</b>                        | <b>327,869,100</b>                                |
| Atchison .....             | 620             | 230,000                    | 148,200                     | 21,715,000                                | 11,732,300  |
| Brown .....                | 600             | 328,000                    | 248,800                     | 52,590,400                                | 13,050,900  |
| Doniphan .....             | 470             | 208,000                    | 157,200                     | 38,159,900                                | 7,742,100   |
| Jackson .....              | 1,100           | 340,000                    | 135,510                     | 18,498,400                                | 19,039,100  |
| Jefferson .....            | 1,040           | 281,000                    | 138,420                     | 19,059,700                                | 15,689,100  |
| Leavenworth .....          | 1,090           | 200,000                    | 99,610                      | 12,691,300                                | 10,678,800  |
| Marshall .....             | 960             | 581,000                    | 346,900                     | 43,719,700                                | 22,618,600  |
| Nemaha .....               | 1,020           | 420,000                    | 246,000                     | 32,083,200                                | 38,116,600  |
| Pottawatomie .....         | 840             | 468,000                    | 148,200                     | 23,561,300                                | 27,419,000  |
| Riley .....                | 500             | 225,000                    | 96,110                      | 16,243,100                                | 9,872,200   |
| Wyandotte .....            | 160             | 19,000                     | 14,000                      | 1,723,600                                 | 827,800   |
| <b>Northeast .....</b>     | <b>8,400</b>    | <b>3,300,000</b>           | <b>1,778,950</b>            | <b>280,045,600</b>                        | <b>176,786,500</b>                                |
| Anderson .....             | 660             | 378,000                    | 200,700                     | 26,537,500                                | 18,596,500  |
| Chase .....                | 260             | 362,000                    | 64,400                      | 9,942,100                                 | 35,810,400  |
| Coffey .....               | 600             | 335,000                    | 194,520                     | 23,755,957                                | 10,574,600  |
| Douglas .....              | 880             | 202,000                    | 114,600                     | 17,334,900                                | 12,755,300  |
| Franklin .....             | 980             | 339,000                    | 169,730                     | 26,072,300                                | 13,141,900  |
| Geary .....                | 250             | 180,000                    | 56,840                      | 9,338,600                                 | 6,708,200   |
| Johnson .....              | 660             | 149,000                    | 77,400                      | 11,036,700                                | 10,692,500  |
| Linn .....                 | 880             | 310,000                    | 116,430                     | 14,567,947                                | 11,356,700  |
| Lyon .....                 | 900             | 494,000                    | 221,840                     | 26,804,696                                | 38,200,200  |
| Miami .....                | 1,410           | 320,000                    | 129,200                     | 19,797,600                                | 21,562,500  |
| Morris .....               | 470             | 385,000                    | 132,710                     | 16,212,500                                | 20,998,700  |
| Osage .....                | 920             | 367,000                    | 185,100                     | 24,743,492                                | 11,805,700  |
| Shawnee .....              | 900             | 217,000                    | 120,800                     | 20,268,600                                | 7,879,500   |
| Wabaunsee .....            | 630             | 462,000                    | 107,980                     | 15,888,800                                | 18,881,000  |
| <b>East Central .....</b>  | <b>10,400</b>   | <b>4,500,000</b>           | <b>1,892,250</b>            | <b>262,301,692</b>                        | <b>238,963,700</b>                                |
| Allen .....                | 620             | 280,000                    | 172,730                     | 23,373,500                                | 12,768,100  |
| Bourbon .....              | 840             | 338,000                    | 120,500                     | 15,010,000                                | 19,622,600  |
| Butler .....               | 1,310           | 697,000                    | 266,130                     | 34,443,500                                | 60,645,500  |
| Chautauqua .....           | 370             | 389,000                    | 37,700                      | 5,136,700                                 | 17,895,500  |
| Cherokee .....             | 740             | 290,000                    | 250,000                     | 44,219,369                                | 7,716,800   |
| Cowley .....               | 1,000           | 685,000                    | 233,410                     | 34,204,530                                | 27,254,300  |
| Crawford .....             | 820             | 337,000                    | 192,820                     | 25,544,187                                | 13,882,800  |
| Elk .....                  | 410             | 367,000                    | 53,100                      | 7,096,260                                 | 13,245,700  |
| Greenwood .....            | 580             | 594,000                    | 99,630                      | 12,546,200                                | 36,222,400  |
| Labette .....              | 890             | 358,000                    | 206,430                     | 33,372,177                                | 24,598,400  |
| Mongomery .....            | 980             | 342,000                    | 155,700                     | 24,580,787                                | 11,596,100  |
| Neosho .....               | 770             | 341,000                    | 164,400                     | 23,036,380                                | 17,134,500  |
| Wilson .....               | 560             | 329,000                    | 174,000                     | 27,252,729                                | 9,594,200   |
| Woodson .....              | 310             | 253,000                    | 110,000                     | 14,753,440                                | 11,313,000  |
| <b>Southeast .....</b>     | <b>10,200</b>   | <b>5,600,000</b>           | <b>2,236,550</b>            | <b>324,569,759</b>                        | <b>283,489,900</b>                                |
| State .....                | 64,500          | 47,200,000                 | 21,827,700                  | 3,623,255,000                             | 3,286,773,000                                     |

1/ Only for crops estimated. 2/ Includes wheat, corn, sorghum, soybeans, sunflowers, hay, oats, barley, cotton, apples, pecans, potatoes, and dry beans but does not include other crops or any Government Program payments.

**PRECIPITATION IN KANSAS, 2003 AND AVERAGE**  
Inches of Water

| Month | N.W.  |       | W.C.  |       | S.W.  |       | N.C.  |       | C.    |       | S.C.  |       | N.E.  |       | E.C.  |       | S.E.  |       | STATE |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|       | 2003  | Avg*  | 2003  | Avg*  | 2003  | Avg*  | 2003  | Avg*  | 2003  | Avg*  | 2003  | Avg*  | 2003  | Avg*  | 2003  | Avg*  | 2003  | Avg*  | 2003  | Avg*  |
| Jan   | 0.13  | 0.51  | 0.05  | 0.52  | 0.04  | 0.49  | 0.29  | 0.65  | 0.11  | 0.74  | 0.09  | 0.76  | 0.51  | 0.90  | 0.29  | 1.09  | 0.42  | 1.26  | 0.20  | 0.77  |
| Feb   | 0.74  | 0.55  | 0.68  | 0.59  | 0.84  | 0.53  | 0.78  | 0.72  | 1.07  | 0.91  | 1.62  | 0.96  | 0.92  | 1.04  | 1.84  | 1.21  | 1.96  | 1.63  | 1.19  | 0.91  |
| Mar   | 1.43  | 1.51  | 1.55  | 1.57  | 1.27  | 1.49  | 1.76  | 2.21  | 2.96  | 2.43  | 3.22  | 2.48  | 1.26  | 2.53  | 1.66  | 2.75  | 3.68  | 3.22  | 2.16  | 2.25  |
| Apr   | 2.87  | 2.05  | 2.15  | 1.76  | 1.20  | 1.69  | 3.27  | 2.50  | 3.62  | 2.61  | 3.75  | 2.57  | 4.83  | 3.23  | 4.73  | 3.42  | 4.14  | 3.62  | 3.31  | 2.58  |
| May   | 2.37  | 3.71  | 3.09  | 3.25  | 2.93  | 3.10  | 3.16  | 4.19  | 3.38  | 4.39  | 3.69  | 4.05  | 2.90  | 4.95  | 3.42  | 5.07  | 6.30  | 5.23  | 3.54  | 4.18  |
| Jun   | 4.86  | 3.08  | 4.55  | 2.73  | 4.77  | 2.92  | 4.75  | 3.47  | 3.76  | 3.80  | 2.64  | 4.03  | 4.99  | 4.82  | 4.84  | 5.08  | 4.69  | 5.17  | 4.37  | 3.88  |
| Jul   | 0.75  | 3.43  | 0.72  | 3.37  | 0.62  | 2.86  | 0.50  | 3.85  | 0.66  | 3.83  | 0.88  | 3.37  | 1.11  | 4.38  | 0.78  | 3.94  | 1.48  | 3.92  | 0.83  | 3.61  |
| Aug   | 1.60  | 2.65  | 2.95  | 2.63  | 3.21  | 2.51  | 3.57  | 3.25  | 4.28  | 3.43  | 5.66  | 2.97  | 4.32  | 3.79  | 7.54  | 3.73  | 6.99  | 3.72  | 4.54  | 3.16  |
| Sep   | 0.45  | 1.45  | 0.79  | 1.54  | 2.33  | 1.61  | 4.10  | 2.50  | 3.32  | 2.54  | 3.36  | 2.59  | 2.57  | 4.15  | 3.03  | 3.95  | 3.33  | 4.14  | 2.66  | 2.69  |
| Oct   | 0.29  | 1.27  | 0.08  | 1.17  | 0.09  | 1.25  | 0.64  | 1.85  | 1.49  | 2.18  | 2.23  | 2.23  | 1.68  | 2.94  | 1.54  | 3.14  | 2.59  | 3.70  | 1.20  | 2.18  |
| Nov   | 0.23  | 1.00  | 0.15  | 1.04  | 0.21  | 0.88  | 1.42  | 1.50  | 0.42  | 1.62  | 0.11  | 1.64  | 1.17  | 2.29  | 0.75  | 2.64  | 1.48  | 3.11  | 0.64  | 1.70  |
| Dec   | 0.34  | 0.45  | 0.28  | 0.49  | 0.47  | 0.51  | 0.59  | 0.79  | 0.99  | 0.92  | 1.16  | 1.01  | 1.75  | 1.25  | 2.34  | 1.52  | 2.96  | 1.89  | 1.21  | 0.96  |
| Ann   | 16.06 | 21.66 | 17.04 | 20.66 | 17.98 | 19.84 | 24.83 | 27.48 | 26.06 | 29.40 | 28.41 | 28.66 | 28.01 | 36.27 | 32.76 | 37.54 | 40.02 | 40.61 | 25.87 | 28.87 |

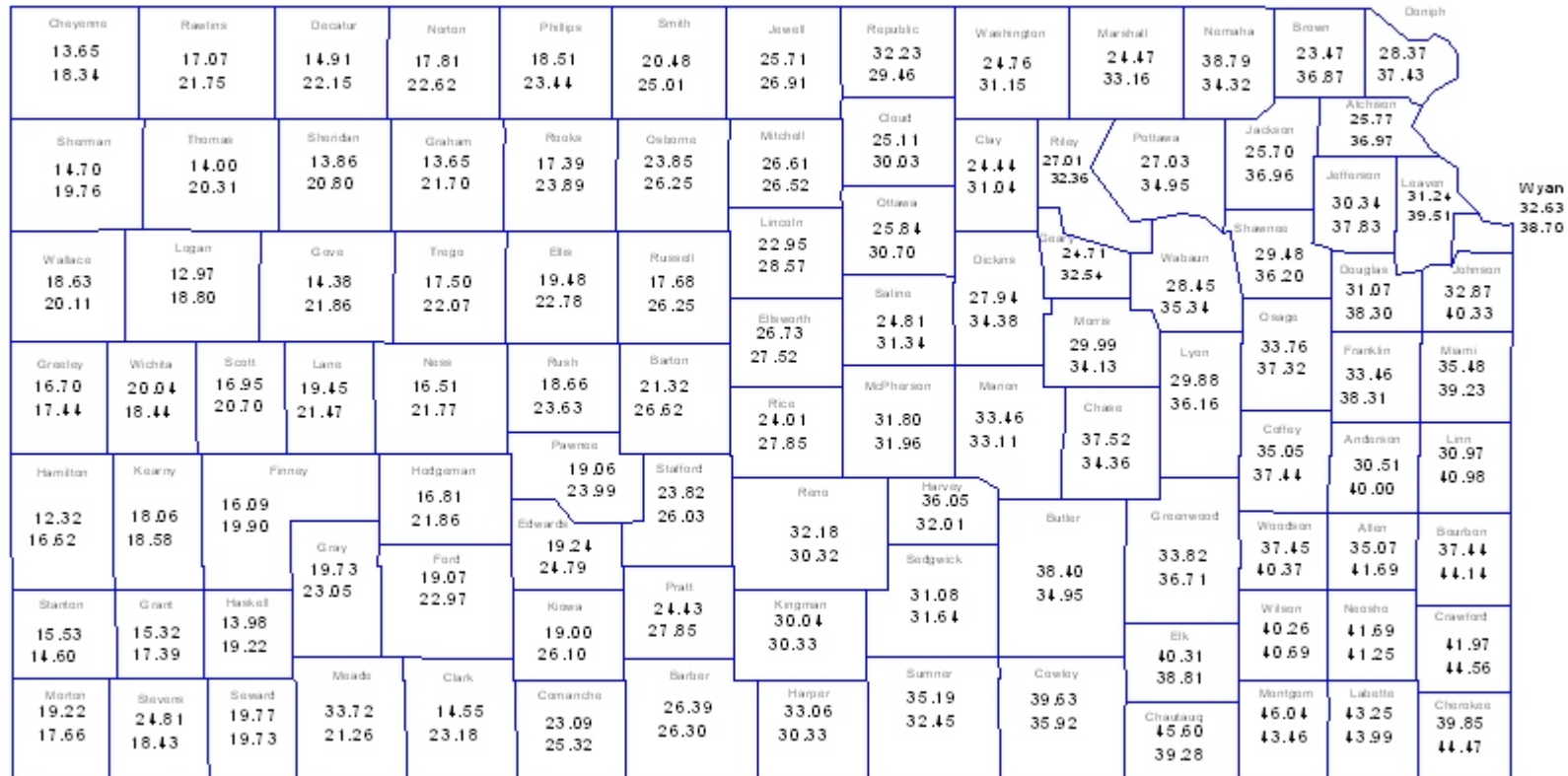
\*Long-time weather average, 1971-2000.

**TEMPERATURES IN KANSAS, 2003 AND AVERAGE**  
Degrees Fahrenheit

| Month | N.W. |      | W.C. |      | S.W. |      | N.C. |      | C.   |      | S.C. |      | N.E. |      | E.C. |      | S.E. |      | STATE |      |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|
|       | 2003 | Avg* | 2003 | Avg* | 2003 | Avg* | 2003 | Avg* | 2003 | Avg* | 2003 | Avg* | 2003 | Avg* | 2003 | Avg* | 2003 | Avg* | 2003  | Avg* |
| Jan   | 31.7 | 27.4 | 32.7 | 28.6 | 34.8 | 30.7 | 29.4 | 26.4 | 31.2 | 28.3 | 32.6 | 30.4 | 27.8 | 25.9 | 29.2 | 28.0 | 30.6 | 30.8 | 31.4  | 28.8 |
| Feb   | 28.0 | 32.6 | 29.3 | 34.1 | 31.6 | 36.3 | 29.4 | 32.1 | 31.0 | 34.1 | 32.4 | 36.4 | 30.0 | 32.0 | 31.0 | 34.0 | 32.8 | 36.7 | 30.8  | 34.5 |
| Mar   | 41.4 | 40.6 | 42.4 | 42.1 | 44.0 | 44.5 | 42.9 | 42.1 | 43.5 | 43.9 | 44.8 | 45.5 | 43.0 | 42.7 | 43.6 | 44.4 | 44.8 | 46.6 | 43.5  | 43.8 |
| Apr   | 52.6 | 50.1 | 53.2 | 51.4 | 55.3 | 53.6 | 55.2 | 52.5 | 56.1 | 53.9 | 57.5 | 55.1 | 56.5 | 53.5 | 56.7 | 54.5 | 57.6 | 56.3 | 55.8  | 53.6 |
| May   | 60.2 | 59.9 | 61.4 | 61.1 | 64.1 | 63.2 | 61.3 | 62.4 | 62.7 | 63.7 | 64.7 | 64.8 | 62.9 | 63.6 | 64.0 | 64.2 | 65.2 | 65.4 | 63.1  | 63.3 |
| Jun   | 68.4 | 70.7 | 69.0 | 71.9 | 70.0 | 73.6 | 70.7 | 73.0 | 71.5 | 74.2 | 72.3 | 75.1 | 70.2 | 73.1 | 70.6 | 73.4 | 71.2 | 74.4 | 70.5  | 73.4 |
| Jul   | 80.0 | 76.5 | 81.4 | 77.4 | 81.7 | 78.7 | 82.3 | 78.7 | 83.4 | 79.8 | 83.9 | 80.5 | 80.7 | 78.1 | 81.2 | 78.6 | 81.1 | 79.7 | 81.9  | 78.8 |
| Aug   | 77.4 | 74.3 | 78.2 | 75.3 | 79.1 | 76.8 | 80.2 | 76.4 | 81.6 | 77.8 | 81.7 | 78.9 | 80.6 | 76.0 | 81.4 | 76.9 | 81.7 | 78.3 | 80.3  | 76.9 |
| Sep   | 64.0 | 64.9 | 64.7 | 66.2 | 65.3 | 68.0 | 65.1 | 67.2 | 65.7 | 68.7 | 66.5 | 70.0 | 64.7 | 67.3 | 65.2 | 68.3 | 66.2 | 69.7 | 65.4  | 68.0 |
| Oct   | 56.8 | 52.7 | 57.7 | 54.2 | 59.1 | 56.2 | 57.5 | 55.1 | 57.4 | 56.8 | 58.8 | 58.1 | 57.3 | 55.9 | 58.3 | 56.9 | 58.7 | 58.5 | 58.1  | 56.2 |
| Nov   | 37.9 | 38.0 | 38.7 | 39.5 | 41.1 | 41.9 | 40.0 | 40.0 | 41.8 | 42.1 | 44.1 | 43.4 | 41.8 | 41.4 | 43.7 | 43.1 | 46.5 | 45.1 | 41.9  | 41.8 |
| Dec   | 32.7 | 29.6 | 33.8 | 31.2 | 35.5 | 33.1 | 33.2 | 29.7 | 34.0 | 31.9 | 36.0 | 33.4 | 34.9 | 29.9 | 35.5 | 32.1 | 37.6 | 34.5 | 34.9  | 31.9 |
| Ann   | 52.6 | 51.4 | 53.5 | 52.8 | 55.1 | 54.7 | 53.9 | 53.0 | 55.0 | 54.6 | 56.3 | 56.0 | 54.2 | 53.3 | 55.0 | 54.5 | 56.2 | 56.3 | 54.8  | 54.3 |

\*Long-time weather average, 1971-2000.

**KANSAS PRECIPITATION - 2003**  
**Upper figure, 2003 Total; Lower Figure, 1971-2000 Average;**  
**Inches of Water**



**2003 DISTRICT PRECIPITATION TOTALS (PRELIMINARY)**

|                                 | NW    | WC    | SW    | NC    | C     | SC    | NE    | EC    | SE    | STATE |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2003 Average . . . . .          | 16.06 | 17.04 | 17.98 | 24.83 | 26.06 | 28.41 | 28.01 | 32.76 | 40.02 | 25.87 |
| Departure from Normal . . . . . | -5.60 | -3.62 | -1.86 | -2.65 | -3.34 | -0.25 | -8.26 | -4.78 | -0.59 | -3.00 |
| % of Normal . . . . .           | 74    | 82    | 91    | 90    | 89    | 99    | 77    | 87    | 99    | 90    |